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April 1, 2010

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Michael Spencer, Esq.
Office of the General Counsel
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

RE: Sixth Update to Disclosures Pursuant to 10 C.F.R. § 2.336; *STP Nuclear Operating Co.* (South Texas Project Units 3 and 4), Docket Nos. 52-012 and 52-013

Pursuant to 10 C.F.R. § 2.336, the agreement among the parties dated September 10, 2009, and the Initial Scheduling Order dated October 20, 2009, STP Nuclear Operating Company (STPNOC) is providing the sixth update to its disclosures with respect to Intervenors' Contention 21, as restated and admitted by the Atomic Safety and Licensing Board (Board) on August 27, 2009 (LBP-09-21), and Contentions 8, 9, 14, and 16, as restated and admitted by the Board on September 29, 2009 (LBP-09-25).

STPNOC's disclosures consist of the following:

- Enclosure 1 is reserved for the names, addresses, and telephone numbers of the persons upon whose opinion STPNOC will base its positions on the contentions and upon whom STPNOC may rely as a witness, and a copy of the analyses and authorities upon which they base their opinions. STPNOC has not yet identified witnesses for any hearing on the contentions, and will update Enclosure 1 when it has identified its witnesses.
- Enclosure 2 provides a description, by category and location, of all relevant non-privileged documents, data compilations, and tangible things in the possession, custody, or control of STPNOC that are relevant to the admitted contentions in this proceeding. If you determine that you would like a copy of any of these documents, please inform me of which documents you would like, and I will provide a copy to you.

- Enclosure 3 provides an index of documents, data compilations, or tangible things in the possession, custody, or control of STPNOC that may be relevant to the contentions but contain proprietary-related or otherwise protected information. Upon request by the NRC Staff, STPNOC will provide a copy using the procedure in 10 C.F.R. § 2.390. If the Intervenors desire a copy, STPNOC will work with the Intervenors to develop a mutually acceptable proposed amendment to the Protective Order for issuance by the Board. STPNOC will provide any requested proprietary documents to the Intervenors after the Board has entered an amended Protective Order.
- Enclosure 4 provides an index of relevant documents that are otherwise publicly available.

In order to compile Enclosures 2, 3, and 4, STPNOC made a reasonable good faith search of its records since the previous disclosures filed on March 1, 2010. The attached affidavit attests that all relevant materials identified by this search have been disclosed, and that the disclosures are accurate and complete as of March 15, 2010. Additions to the logs since the last disclosures are highlighted.

In the event that STPNOC identifies additional relevant documents or the witnesses for any hearing on the contentions, STPNOC will update these disclosures on the 1st day of each month (subject to 10 C.F.R. § 2.306(a)), as required by 10 C.F.R. § 2.336(d), the agreement among the parties dated September 10, 2009, and the Initial Scheduling Order dated October 20, 2009.

STPNOC has been conservative in identifying documents for inclusion in Enclosures 2, 3, and 4. By identifying documents on those Enclosures, STPNOC does not necessarily concede that the documents are in fact relevant or material to the admitted contentions.

Sincerely,

Signed (electronically) by Stephen J. Burdick

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Counsel for STP Nuclear Operating Company

Enclosures

cc: Service List

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)	Docket Nos. 52-012-COL
	)	52-013-COL
STP NUCLEAR OPERATING COMPANY	)	
	)	
(South Texas Project Units 3 and 4)	)	April 1, 2010

AFFIDAVIT

1. My name is Scott Head. My title is Manager, Regulatory Affairs for South Texas Project, Units 3 & 4. Working with the attorneys for STP Nuclear Operating Company (STPNOC), I have been responsible for managing the searches, collection, and compilation of documents, data compilations, and tangible things to comply with the mandatory disclosure requirements in 10 C.F.R. § 2.336.

2. This Affidavit relates to the disclosures that STPNOC is providing on April 1, 2010 in the above-captioned proceeding pursuant to 10 C.F.R. § 2.336, the parties' joint agreement on mandatory disclosures, dated September 10, 2009, and the Initial Scheduling Order, dated October 20, 2009.

3. A reasonable good faith search was conducted of documents, data compilations, and tangible things in the possession, custody, or control of STPNOC for the types of information specified in 10 C.F.R. § 2.336(a). As provided in 10 C.F.R. § 2.336(c), this search was conducted based on information and documents reasonably available to STPNOC:

   a. The searches encompassed both electronic and paper documents.

b. The searches encompassed both South Texas Project (STP) Units 3 and 4 project-related files and documents in the possession and control of STPNOC employees who have worked on the STP Units 3 and 4 project.

c. The searches also encompassed documents, data compilations, and tangible things in the possession and control of the vendors and contractors who have supported the STPNOC combined license application to the extent that STPNOC has rights to these documents, data compilations, and tangible things.

d. Searches did not encompass documents in the possession of individuals who did not work on the STP Units 3 and 4 project or files unrelated to the STP Units 3 and 4 project.

4. Enclosure 2 provides the index of relevant non-privileged, non-protected documents, data compilations, and tangible things that were located as a result of this search.

5. Enclosure 3 provides the index of relevant documents, data compilations, and tangible things containing proprietary-related or otherwise protected information.

6. Enclosure 4 provides the index of relevant documents, data compilations, and tangible things that are publicly available.

7. With respect to admitted Contentions 8, 9, 14, and 16, the parties agreed on October 2, 2009 to limit disclosures based on the following criteria:

a. STPNOC will produce all relevant documents, data compilations, or other tangible things for these contentions that have been generated or collected as part of the STP Units 3 and 4 project and are in STPNOC's possession, custody, or control.

b. In addition to the above information, STPNOC will produce compilations or summary reports of relevant information related to operation of STP Units 1 and 2, such as information on radioactive particulates in the Main Cooling Reservoir (MCR) sediment, that have been prepared during the last five years and are in the possession of STP Units 1 and 2 personnel. For example, STPNOC will produce documents such as the Annual Environmental Operating Report, the Annual Radioactive Effluent Release Report, and the Annual Water Use Report.

i. STPNOC does not need to produce: 1) raw data or samples from environmental monitoring for STP Units 1 and 2; 2) documents that only describe activities related to operation of STP Units 1 and 2; or 3) documents that do not provide compilations of data regarding water quality and radionuclide concentrations in the MCR, adjacent surface waters, or groundwater.

c. Following the initial disclosures on these contentions, the Intervenors may request production of other documents that are relevant to the admitted contentions. STPNOC will provide documents to the Intervenors in response to any reasonable requests.

8. STPNOC has been conservative in identifying documents for inclusion in Enclosures 2, 3, and 4. By identifying documents on those Enclosures, I do not necessarily concede that the documents are in fact relevant or material to the admitted contentions.

9. These disclosures are accurate and complete as of March 15, 2010.

The statements made above are true to the best of my knowledge, information, and belief.

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Accord with 10 C.F.R. § 2.304(d)
Scott M. Head
Manager, Regulatory Affairs
South Texas Project, Units 3 & 4
4000 Avenue F – Suite A
Bay City, TX 77414
Phone: 361-972-7136
Fax: 361-972-8298
E-mail: smhead@stpegs.com

Executed this 1st day of April 2010

ENCLOSURE 1

STPNOC WITNESSES

The name and, if known, the address and telephone number of any person, including any expert, upon whose opinion the party bases its claims and contentions and may rely upon as a witness:

Response:

STPNOC has not yet identified the persons that it may rely upon as its witnesses. STPNOC will update this disclosure when it has identified such persons.

A copy of the analysis or other authority upon which that person bases his or her opinion:

Response:

Currently, STPNOC bases its position on the following sections of the Environmental Report (ER) for STP Units 3 and 4 and the references cited therein:

- Contentions 8, 9, and 14 - - ER §§ 2.3, 3.3, 3.5, 5.2, and 5.4, and the revisions to ER §§ 2.3.1, 5.2, and 5.4 identified in November 11, 2009 and November 23, 2009 letters to the NRC.
- Contention 16 - - STPNOC's September 28, 2009 response to Request for Additional Information No. 05.10-4, which includes revisions to the ER.
- Contention 21 - - ER §§ 7.1, 7.2, and 7.3, and the new ER § 7.5S identified in a November 10, 2009 letter to the NRC.

STPNOC will update this disclosure when it has identified the persons that it may use as witnesses and the analyses and authorities upon which they base their opinion.

ENCLOSURE 2

Mandatory Disclosure Log

DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/DESCRIPTION	CONTENTION
1	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Execution File for MACCS2 Code	21
2	9/30/2005	Morgan, Lewis & Bockius	Tetra Tech	N/A	Execution File for MACCS2 Code	21
3	4/19/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MET Input File for MACCS2 Code (2000 STP Meteorological Input Data)	21
4	3/19/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	SIT Input File for MACCS2 Code (2060 Population Projection)	21
5	4/19/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MET Input File for MACCS2 Code (1997 STP Meteorological Input Data)	21
6	4/19/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MET Input File for MACCS2 Code (1999 STP Meteorological Input Data)	21
7	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	ATMOS Input File for MACCS2 Code (STP ABWR)	21
8	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	CHRONC Input File for MACCS2 Code (STP ABWR)	21
9	3/25/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	EARLY Input File for MACCS2 Code (STP ABWR)	21
10	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MACCS2 Output File (2000 STP Meteorological Input Data)	21
11	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MACCS2 Output File (1997 STP Meteorological Input Data)	21
12	4/20/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	MACCS2 Output File (1999 STP Meteorological Input Data)	21
13	N/A	Morgan, Lewis & Bockius	GE Nuclear	N/A	Section 19E.3 (Consequence Analysis) of ABWR Standard Safety Analysis Report	21
14	N/A	Morgan, Lewis & Bockius	GE Nuclear	N/A	Section 19E.3 of ABWR Design Control Document/Tier 2	21
15	11/18/1994	Morgan, Lewis & Bockius	GE Nuclear	N/A	Technical Support Document for the ABWR, Rev. 1, MPL No. A90-3230	21
16	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14
17	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14
18	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14

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DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/DESCRIPTION	CONTENTION
19	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14
20	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14
21	7/9/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Diversion Flows	14
22	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
23	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
24	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
25	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
26	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
27	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
28	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
29	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
30	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
31	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
32	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
33	10/2/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation	14
34	2/23/2005	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	N/A	2004 Annual Water Use Report	16
35	2/22/2006	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	N/A	2005 Annual Water Use Report	16
36	2/22/2007	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	N/A	2006 Annual Water Use Report	16
37	2/25/2008	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	N/A	2007 Annual Water Use Report	16
38	2/24/2009	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	N/A	2008 Annual Water Use Report	16
39	9/9/2009	Morgan, Lewis & Bockius	Fluor	N/A	Validation Package for RAI 03.03-01	14, 16
40	8/21/2007	Morgan, Lewis & Bockius	Julie Leong, GE	David Wagner, Bechtel	E-mail Re: Table 12.2-22	8, 9

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DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/DESCRIPTION	CONTENTION
41	3/18/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	N/A	Well Water Plan of Action	16
42	8/6/2008	Morgan, Lewis & Bockius	Fluor	N/A	Impact of UHS Relocation & Slurry Wall Construction on Groundwater, Rev. 1	8, 9, 14, 16
43	3/24/2009	Morgan, Lewis & Bockius	MACTEC	Fluor	Review of Bechtel Calculation 2593-501-G65-GEK-001, Rev. 000 and COLA Sections	16
44	7/11/2008	Morgan, Lewis & Bockius	Fluor	N/A	Validation Package for RAI 02.04.01-2	16
45	November 2008	Morgan, Lewis & Bockius	Fluor	N/A	Scope of Activities for STPNOC Contractors	9, 16
46	7/14/2008	Morgan, Lewis & Bockius	Lansing Dusek, Fluor	Sheila Koza	E-mail Re: Schedule for "Bechtel Borings"	8, 9, 14, 16
47	4/10/1975	Morgan, Lewis & Bockius	Woodward-Clyde Consultants	John T. Mooney, Project Manager, Engineering	Water Supply Wells South Texas Project	16
48	8/6/2008	Morgan, Lewis & Bockius	Fluor	N/A	Slurry Wall Effect on Groundwater - COLA Change Validation Package	8, 9, 16
49	6/26/2009	Morgan, Lewis & Bockius	Matt Featherston, Fluor	N/A	Fluor Nuclear Power Extent-of-Condition Investigation Results, Review for Inconsistencies Between STP 3 and 4 COLA (Rev. 2) FSAR and Environmental Report	16
50	6/15/2008	Morgan, Lewis & Bockius	Lansing Dusek, Fluor	Sheila Koza	E-mail Re: White Paper for the UHS - Groundwater	16
51	2/20/2002	Morgan, Lewis & Bockius	Reliant Energy	Texas Water Development Board	Water Survey	16
52	2/14/2003	Morgan, Lewis & Bockius	Reliant Energy	Texas Water Development Board	Water Survey	16
53	2/24/2004	Morgan, Lewis & Bockius	STPNOC	Texas Water Development Board	Water Survey	16
54	2/21/2007	Morgan, Lewis & Bockius	STP Electric Generating Station	Texas Water Development Board	Water Use Survey – Industrial	16
55	9/15/2008	Morgan, Lewis & Bockius	MACTEC	Fluor	Final Data Report (Observation Wells)	8, 9, 14, 16
56	6/17/2009	Morgan, Lewis & Bockius	Fluor	N/A	Total Well Usage	16
57	9/10/2009	Morgan, Lewis & Bockius	Fluor	N/A	Graph of Groundwater Withdrawals	16
58	5/29/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Water Flow Discrepancies in ER & FSAR	16
59	6/16/2009	Morgan, Lewis & Bockius	Jim Golden, Fluor	Will Pietkiewicz, Fluor	E-mail Re: Unit 1 & 2 Well Water Usage Pre 1995	16

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DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/DESCRIPTION	CONTENTION
60	6/25/2009	Morgan, Lewis & Bockius	Kenneth Gartner, STPNOC	Jim Golden, Fluor	E-mail Re: Water Usage	16
61	11/13/1987	Morgan, Lewis & Bockius	Houston Lighting & Power	N/A	Well Water / Freshwater / Service Water, Rev. 3 – System Description Cover Sheet	16
62	7/30/2009	Morgan, Lewis & Bockius	Jim Golden, Fluor	Will Pietkiewicz, Matthew Featherston, Fluor	E-mail Re: STP Units 1 and 2 Groundwater Use	16
63	7/30/2007	Morgan, Lewis & Bockius	STPNOC	N/A	Well Water Pump Designs	16
64	2/7/2008	Morgan, Lewis & Bockius	Coastal Plains Groundwater Conservation District	STPNOC	Operating Permit	16
65	6/21/2009	Morgan, Lewis & Bockius	Fluor	N/A	Well Water Available	16
66	12/22/2008	Morgan, Lewis & Bockius	Fluor	N/A	Pond Level Calculations	16
67	2/16/2006	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	Texas Water Development Board	Industrial Water Use Survey for the Calendar Year Ending December 31, 2005	16
68	2/22/2005	Morgan, Lewis & Bockius	South Texas Project Electric Generating Station	Texas Water Development Board	Industrial Water Use Survey for the Calendar Year Ending December 31, 2004	16
69	3/10/2009	Morgan, Lewis & Bockius	Sargent & Lundy	N/A	Evaluation of STP 3 & 4 COLA Section 2.4S, Rev. A	8, 9, 16
70	5/1/2009	Morgan, Lewis & Bockius	Fluor	N/A	Streams and Flow Rates	8, 9, 14, 16
71	8/18/2009	Morgan, Lewis & Bockius	Fluor	N/A	Groundwater Withdrawals	16
72	9/15/2009	Morgan, Lewis & Bockius	Fluor	N/A	Groundwater Withdrawals	16
73	3/26/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Evaluation of Bechtel Calculation 25293-000-K0C-HPYG-00001, Rev. 1 Projected Water Use	16
74	4/8/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Evaluation of Bechtel Calculation 25293-401-MOC-WA-00001, Rev. 1 Water Balance Calculation	16
75	8/31/2009	Morgan, Lewis & Bockius	Fluor	N/A	Water Balance	14, 16
76	6/10/2009	Morgan, Lewis & Bockius	Fluor	N/A	Meeting Minutes STP Units 3 & 4 Water Needs	16
77	6/30/2008	Morgan, Lewis & Bockius	Fluor	N/A	Surveying Services for Water Wells	8, 9, 16
78	5/1/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Water Conservation Plan, Rev. 2	16
79	11/20/1987	Morgan, Lewis & Bockius	South Texas Project	N/A	Well Water Supply System, Rev. 5	16

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80	1/10/2008	Morgan, Lewis & Bockius	STPNOC	Coastal Plains Groundwater Conservation District	Permit Application Renewal	16
81	7/13/2009	Morgan, Lewis & Bockius	Texas Commission on Environmental Quality	N/A	Notice of Receipt of Application and Intent to Obtain Water Quality Permit Renewal	8
82	7/17/2008	Morgan, Lewis & Bockius	John L. Stone, STPNOC	Steven Blossom, Donald Ray, David Dujka, Milton Rejcek, and Ronnie Gipson, STPNOC	E-mail Re: Deep Aquifer Info	9
83	9/1/2009	Morgan, Lewis & Bockius	Amy Ballinger, STPNOC	Milton Rejcek, STPNOC	E-mail Re: Shallow Aquifer Wells and Groundwater Samples at STP Site	9
84	2/23/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Groundwater and Potable Data	16
85	8/11/2009	Morgan, Lewis & Bockius	STPNOC	N/A	STP Information Request Regarding Shallow Aquifer Wells and Groundwater Samples at STP Site	9
86	8/18/2009	Morgan, Lewis & Bockius	John Crenshaw, STPNOC	Milton Rejcek, STPNOC	E-mail Re: Tritium	9
87	6/22/2009	Morgan, Lewis & Bockius	Sandra Dannhardt, STPNOC	Derek Bass, STPNOC	E-mail Re: Unit 1 & 2 Well Water Usage Pre-1995	16
88	5/7/2009	Morgan, Lewis & Bockius	Sandra Dannhardt, STPNOC	Milton Rejcek, STPNOC	E-mail Re: Units 3 and 4 Liquid Radwaste Effluents	9
89	6/11/2009	Morgan, Lewis & Bockius	Sandra Dannhardt, STPNOC	Jim Golden, Fluor	E-mail Re: Groundwater, Well Water Usage	16
90	6/3/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Well Water Usage Tables	16
91	11/25/2008	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
92	11/25/2008	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
93	11/25/2008	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
94	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
95	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
96	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
97	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
98	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16
99	8/29/2007	Morgan, Lewis & Bockius	Tetra Tech	N/A	Distance or Time Versus Drawdown for a Confined Aquifer	16

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100	August 2007	Morgan, Lewis & Bockius	Tetra Tech	Bechtel	Water Use Calculation Package for South Texas Project COL	16
101	9/28/2009	Morgan, Lewis & Bockius	Russell W. Kiesling, STPNOC	Scott Head, STPNOC	E-mail Re: Future Water Use Impacts	16
102	9/21/2009	Morgan, Lewis & Bockius	Milton Rejcek, STPNOC	Scott Head, STPNOC	E-mail Re: Well Water	16
103	9/21/2009	Morgan, Lewis & Bockius	Scott Head, STPNOC	Milton Rejcek, STPNOC	E-mail Re: Automated Groundwater Pumps	16
104	9/19/1994	Morgan, Lewis & Bockius	NRC	Houston Lighting & Power Company	Units 1 and 2 – Safety Evaluation on the Main Cooling Reservoir and Essential Cooling Pond Performance During and After Filling	14
105	2/22/1993	Morgan, Lewis & Bockius	Houston Lighting & Power Company	NRC	Performance of Main Cooling Reservoir and Essential Cooling Pond During and After Filling	14
106	10/21/2009	Morgan, Lewis & Bockius	STPNOC	N/A	Well Data	8, 9, 14, 16
107	10/21/2009	Morgan, Lewis & Bockius	MACTEC	N/A	Well Locations for Units 3 and 4	8, 9, 14, 16
108	8/19/2009	Morgan, Lewis & Bockius	STPNOC	Coastal Plains Groundwater Conservation District	South Texas Project Units 3 & 4 Monitoring Well Registration	8, 9, 14, 16
109	5/27/2009	Morgan, Lewis & Bockius	Russell W. Kiesling, STPNOC	Bob Schrauder and Bill McConaghy, Toshiba	E-mail Re: Water Flow Discrepancies in ER & FSAR	16
110	6/8/2009	Morgan, Lewis & Bockius	Debbie Johnson, Fluor	Matthew Featherston, Fluor	E-mail Re: Water Balance	14, 16
111	6/8/2009	Morgan, Lewis & Bockius	Fluor	N/A	Water Balance	14, 16
112	4/10/2009	Morgan, Lewis & Bockius	MACTEC	N/A	Scope of Work – Hydrology and Groundwater	8, 9, 14, 16
113	5/29/2009	Morgan, Lewis & Bockius	Russell Kiesling, STPNOC	Lanny Dusek, Fluor	E-mail Re: Discussion of ER and FSAR Discrepancies – Water Usage	16
114	5/29/2009	Morgan, Lewis & Bockius	STPNOC	N/A	ER Table 3.3-1 with Annotations	16
115	11/8/2005	Morgan, Lewis & Bockius	Milton Rejcek, STPNOC	N/A	Outage Comparisons	8, 9, 16
116	11/14/2006	Morgan, Lewis & Bockius	Milton Rejcek, STPNOC	N/A	Outage Comparisons	8, 9, 16
117	9/30/2009	Morgan, Lewis & Bockius	Fluor	N/A	Well Water Planning Update	16
118	8/20/2009	Morgan, Lewis & Bockius	Jim Golden, Fluor	Robert Watkins, Matthew Featherston, Fluor	E-mail Re: Units 3 and 4 Monitoring Wells Registration	16
119	7/28/2009	Morgan, Lewis & Bockius	MACTEC	N/A	Monitoring Well Locations for Units 3 and 4	16

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120	3/16/2009	Morgan, Lewis & Bockius	Robert Watkins, Fluor	Jim Golden, Fluor	E-mail Re: Water Needs During Construction Meeting Minutes	16
121	3/16/2009	Morgan, Lewis & Bockius	Fluor	N/A	Construction and Operation Well Water Use	16
122	8/17/2009	Morgan, Lewis & Bockius	Matthew Featherston, Fluor	Will Pietkiewicz, Fluor	E-mail Re: Groundwater Assumption Question	16
123	2009	Morgan, Lewis & Bockius	STPNOC	N/A	Groundwater Usage 1992-Present	16
124	7/13/2009	Morgan, Lewis & Bockius	Jim Golden, Fluor	Will Pietkiewicz, Matthew Featherston, Fluor	E-mail Re: Measuring Diverted Flow to the MCR	16
125	3/4/2009	Morgan, Lewis & Bockius	Fluor	N/A	Well Water Usage	16
126	2/24/2009	Morgan, Lewis & Bockius	Robert Watkins, Fluor	Jim Golden and Will Pietkiewicz, Fluor	E-mail Re: Groundwater Info	16
127	3/27/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	Dennis McBride, Fluor	E-mail Re: STP-Recommendation for Potable Water and Sewer Flow Capacity	16
128	3/27/2008	Morgan, Lewis & Bockius	Fluor	N/A	Personnel Water Use	16
129	5/16/2008	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	STPNOC	E-mail Re: Potable Water Facility Capacity	16
130	3/18/2009	Morgan, Lewis & Bockius	Jim Golden, Fluor	Fluor Personnel	E-mail Re: Water Needs During Construction Meeting Minutes	16
131	6/13/2008	Morgan, Lewis & Bockius	Fluor	N/A	Impact of UHS Relocation & Slurry Wall Construction on Groundwater, Rev. 0	8, 9, 14, 16
132	2/10/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	Robert Watkins, Fluor	E-mail Re: Water Usage Estimate	16
133	2/5/2009	Morgan, Lewis & Bockius	Fluor	N/A	Potable Water Analysis	16
134	6/12/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	Jim Golden, Fluor	E-mail Re: Agenda and Comments from Water Needs Meeting	16
135	6/11/2009	Morgan, Lewis & Bockius	Fluor	N/A	Agenda for Water Needs Meeting	16
136	11/6/2008	Morgan, Lewis & Bockius	Dennis Graves, Fluor	Lanny Dusek, Fluor	E-mail Re: Dredging the STP MCR	8, 9
137	12/03/2008	Morgan, Lewis & Bockius	Milton Rejcek, STPNOC	Dennis Graves, Fluor	E-mail Re: MCR Sediment Concentration	8
138	2008	Morgan, Lewis & Bockius	Unknown	N/A	Measured Activity in Environmental Media – 2007	8
139	8/29/1975	Morgan, Lewis & Bockius	Woodward-Clyde Consultants	Brown and Root, Inc.	Basic Data Report – Ground Water South Texas Project	8, 9, 14, 16
140	8/3/2006	Morgan, Lewis & Bockius	NALCO	N/A	STPNOC Cooling Water Data, Main Cooling Reservoir	14

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DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/DESCRIPTION	CONTENTION
141	10/31/2006	Morgan, Lewis & Bockius	NALCO	N/A	STPNOC Cooling Water Data, Main Cooling Reservoir	14
142	5/21/1993	Morgan, Lewis & Bockius	Houston Lighting & Power	EPA	Wastewater Discharge Permit Renewal	8, 9, 14
143	November 2009	Morgan, Lewis & Bockius	Tetra Tech	N/A	Validation Package for ER Section 2.3.1.1.2.1	8, 9, 14
144	November 2009	Morgan, Lewis & Bockius	Tetra Tech	N/A	Validation Package for ER Section 5.2.3	8, 9, 14
145	November 2009	Morgan, Lewis & Bockius	Tetra Tech	N/A	Validation Package for ER Section 5.4.1	8
146	10/19/2009	Morgan, Lewis & Bockius	Tetra Tech	N/A	Calculation of Impacts at Collocated Units from an Initiating Accident at a Site Unit	21
147	June 2009	Morgan, Lewis & Bockius	STPNOC	N/A	Sampling Results from June 2009	8, 9, 14
148	1/26/2000	Morgan, Lewis & Bockius	STPNOC	N/A	Design Criteria for Equipment Qualification Program	21
149	November 2009	Morgan, Lewis & Bockius	STPNOC	N/A	Calculation of Equilibrium Concentration of Co-60	8
150	November 2009	Morgan, Lewis & Bockius	STPNOC	N/A	Detection Sensitivity in Sediments	8
151	November 2009	Morgan, Lewis & Bockius	STPNOC	N/A	Calculation of Equilibrium Concentration of Co-60	8
152	2009	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation - Daily Data - Historical River Flow, Case 3, 93% Load Factor	8, 9, 14
153	2009	Morgan, Lewis & Bockius	Bechtel	N/A	Estimate of MCR Level Under 4 Unit Operation - Daily Data - WAM PROJECTION 2060 with LSWP	8, 9, 14
154	2009	Morgan, Lewis & Bockius	Russell Kiesling, STPNOC	Scott Head, STPNOC	E-mail Re: Drilling New Well	16
155	11/5/2009	Morgan, Lewis & Bockius	Donald Ray, STPNOC	Robert Watkins, Fluor	E-mail Re: Well Water Plan of Action	16
156	1/21/2010	Morgan, Lewis & Bockius	Robert Bromm, STPNOC	Will Pietkiewicz, Fluor	E-mail Re: Groundwater Use Calculation	16
157	11/05/2009	Morgan, Lewis & Bockius	Robert Watkins, Fluor	Donald Ray, STPNOC	E-mail Re: Well Water Plan of Action	16
158	10/12/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	Matthew Featherston, Jim Golden, Robert Watkins, Robert Bromm, Fluor	E-mail Re: Well Water to the Reservoir	16
159	12/30/2009	Morgan, Lewis & Bockius	Walter Loburk, Fluor	Robert Watkins, Fluor	E-mail Re: Groundwater Use Calculation	16

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160	12/22/2009	Morgan, Lewis & Bockius	Robert Watkins, Fluor	Walter Loburk, Fluor	E-mail Re: Groundwater Use Calculation	16
161	3/18/2009	Morgan, Lewis & Bockius	Robert Watkins, Fluor	N/A	Well Water Usage Plan of Action	16
162	10/8/2009	Morgan, Lewis & Bockius	Will Pietkiewicz, Fluor	Robert Watkins, Fluor	E-mail Re: Well Water Action Plan	16
163	1/19/2010	Morgan, Lewis & Bockius	Texas Commission on Environmental Quality	N/A	Notice of Application and Preliminary Decision fro Water Quality TPDES Permit Renewal for Industrial Wastewater	8, 9, 14, 16
164	3/2/2010	Morgan, Lewis & Bockius	STPNOC	N/A	Spreadsheet Re: Groundwater Withdrawal Usage 1991 to Present	16
165	2/25/2010	Morgan, Lewis & Bockius	Claudia V. Hosch, Associate Director, Water Quality Protection Division, NPDES Permits and TMDL Branch, Environmental Protection Agency	Chris Linendoll, E.I.T., Section Manager, Wastewater Permitting Section, Texas Commission on Environmental Quality	Letter Re: Interim Objection to Draft Permit and Request for Additional Information	8, 9, 14
166	May 2004	Morgan, Lewis & Bockius	Turner Collie & Braden Inc.	Coastal Plains Groundwater Conservation District	Groundwater Management Plan	16
167	11/4/2009	Morgan, Lewis & Bockius	STPNOC	N/A	STPNOC Main Cooling Reservoir Comparative Analytical Results	14

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ENCLOSURE 3

Proprietary Log

DOC #	DATE	LOCATION*	AUTHOR OR CUSTODIAN	TO	SUBJECT/ DESCRIPTION	CONTENTION	BASIS FOR PROPRIETARY STATUS
1	4/28/2008	Morgan, Lewis & Bockius	Bechtel	N/A	COL Application Environmental Report Doses, Rev. 1 – Calculation Sheet	8, 9, 21	Bechtel Proprietary Information
2	6/3/2009	Morgan, Lewis & Bockus	Bechtel	N/A	COL Application Environmental Report Doses, Rev. 2 – Calculation Sheet	8, 9, 21	Bechtel Proprietary Information
3	6/30/2009	Morgan, Lewis & Bockius	Bechtel	N/A	COL Application Environmental Report Doses, Rev. 3 – Calculation Sheet	8, 9, 21	Bechtel Proprietary Information
4	6/30/2008	Morgan, Lewis & Bockius	Westinghouse Containment and Radiological Analysis	B. F. Maurer	Letter Regarding Cleanup Water Line Break Doses in the ABWR DCD	21	Westinghouse Proprietary Information
5	1/22/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Hydraulic Gradient, Average Linear Groundwater Velocity and Travel Time, Rev. 3 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
6	1/22/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Accidental Release of Liquid Effluent in Groundwater, Rev. 3 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
7	7/11/2008	Morgan, Lewis & Bockius	Bechtel	N/A	Hydraulic Gradient, Average Linear Groundwater Velocity and Travel Time, Rev. 2 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
8	7/25/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Water Balance, Rev. 1 – Calculation Sheet	14, 16	Bechtel Proprietary Information
9	2/14/2008	Morgan, Lewis & Bockius	Bechtel	N/A	Liquid Tank Rupture Activity Releases, Rev. 1 –Calculation Sheet	8, 9	Bechtel Proprietary Information
10	3/30/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Hydraulic Gradient Impact Engineering Study	8, 9, 14, 16	Bechtel Proprietary Information

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11	12/11/2008	Morgan, Lewis & Bockius	Bechtel	N/A	Groundwater Flow Model for Shallow Aquifer, Rev. 1 – Calculation Sheet	8, 9, 14, 16	Bechtel Proprietary Information
12	7/29/2009	Morgan, Lewis & Bockius	Bechtel	N/A	MCR Blowdown Analysis for Existing Units 1 & 2 and Conversion of 4-Unit Model Results to TDS Concentration – Calculation Sheet	14	Bechtel Proprietary Information
13	2/12/2008	Morgan, Lewis & Bockius	Bechtel	N/A	MCR Water Budget Analysis, Rev. 1 – Calculation Sheet	14	Bechtel Proprietary Information
14	6/6/2008	Morgan, Lewis & Bockius	Bechtel	N/A	Projected Water Use, Rev. 1 – Calculation Sheet	14, 16	Bechtel Proprietary Information
15	5/20/2009	Morgan, Lewis & Bockius	MACTEC Engineering and Consulting, Inc.	STPNOC	Conceptual Site Model for Units 1 and 2 Groundwater Protection Initiative	8, 9, 14, 16	STP Proprietary Information
16	9/10/2009	Morgan, Lewis & Bockius	Fluor	N/A	Plant Water Balance, Rev. C – Calculation Sheet	16	Fluor Proprietary Information
17	9/16/2009	Morgan, Lewis & Bockius	Fluor	N/A	Site Groundwater Use, Rev. B – Calculation Sheet	16	Fluor Proprietary Information
18	7/10/2007	Morgan, Lewis & Bockius	Bechtel	N/A	Projected Water Use, Rev. 0 – Calculation Sheet	16	Bechtel Proprietary Information
19	8/6/2009	Morgan, Lewis & Bockius	Fluor	N/A	Plant Water Balance, Rev. A	16	Fluor Proprietary Information
20	9/24/2009	Morgan, Lewis & Bockius	Fluor	N/A	Potable Water System Design Description, Rev. C	16	Fluor Proprietary Information
21	5/1/2009	Morgan, Lewis & Bockius	Fluor	N/A	Plant Water Balance, Rev. A	16	Fluor Proprietary Information
22	8/17/2009	Morgan, Lewis & Bockius	Fluor	N/A	Plant Water Balance, Rev. B	16	Fluor Proprietary Information

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23	8/18/2009	Morgan, Lewis & Bockius	Fluor	N/A	Site Groundwater Use, Rev. A	16	Fluor Proprietary Information
24	1/20/2009	Morgan, Lewis & Bockius	Bechtel	N/A	MCR Blowdown Analysis	14	Bechtel Proprietary Information
25	2009	Morgan, Lewis & Bockius	STPNOC	N/A	Well Pump Test Data	8, 9, 14, 16	STPNOC Proprietary Information
26	9/10/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Accidental Release of Liquid Effluent in Groundwater, Rev. 4 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
27	10/12/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Accidental Release of Liquid Effluent in Groundwater, Rev. 5 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
28	9/17/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Hydraulic Gradient, Average Linear Groundwater Velocity, Travel Time, and Groundwater Level Trends, Rev. 4 – Calculation Sheet	8, 9, 14	Bechtel Proprietary Information
29	9/23/2009	Morgan, Lewis & Bockius	Bechtel	N/A	MCR Blowdown Re-Analysis for 4-Unit Operation – Calculation Sheet	8, 14	Bechtel Proprietary Information
30	11/25/2009	Morgan, Lewis & Bockius	Bechtel	N/A	Groundwater Flow Model for Shallow Aquifer, Rev. 2 – Calculation Sheet	8, 9, 14, 16	Bechtel Proprietary Information

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ENCLOSURE 4

Publicly Available Log

DOC #	DATE	LOCATION	AUTHOR OR CUSTODIAN	TO	SUBJECT/ DESCRIPTION	CONTENTION
1	May 1998	Available at http://www.doeal.gov/SWEIS/OtherDocuments/481%20MACCS2%20Vol%201.pdf	NRC	N/A	NUREG/CR-6613 (SAND97-0594) - Code Manual for MACCS2: Volume 1, User's Guide	21
2	April 2005	Available at ADAMS Accession No. ML051260127	South Texas Project Electric Generating Station	N/A	2004 Annual Environmental Operating Report	8, 9, 14, 16
3	April 2006	Available at ADAMS Accession No. ML061250075	South Texas Project Electric Generating Station	N/A	2005 Annual Environmental Operating Report	8, 9, 14, 16
4	April 2007	Available at ADAMS Accession No. ML071270211	South Texas Project Electric Generating Station	N/A	2006 Annual Environmental Operating Report	8, 9, 14, 16
5	April 2008	Available at ADAMS Accession No. ML081280093	South Texas Project Electric Generating Station	N/A	2007 Annual Environmental Operating Report	8, 9, 14, 16
6	April 2009	Available at ADAMS Accession No. ML091310066	South Texas Project Electric Generating Station	N/A	2008 Annual Environmental Operating Report	8, 9, 14, 16
7	April 2005	Available at ADAMS Accession No. ML051610266	South Texas Project Electric Generating Station	N/A	Radioactive Effluent Release Report for 2004	8, 9
8	April 2006	Available at ADAMS Accession No. ML061290125	South Texas Project Electric Generating Station	N/A	Radioactive Effluent Release Report for 2005	8, 9
9	April 2007	Available at ADAMS Accession No. ML071280681	South Texas Project Electric Generating Station	N/A	Radioactive Effluent Release Report for 2006	8, 9
10	April 2008	Available at ADAMS Accession No. ML081300023	South Texas Project Electric Generating Station	N/A	Radioactive Effluent Release Report for 2007	8, 9
11	April 2009	Available at ADAMS Accession No. ML091200487	South Texas Project Electric Generating Station	N/A	Radioactive Effluent Release Report for 2008	8, 9
12	8/3/2005	Available at ADAMS Accession No. ML052290091	South Texas Project Electric Generating Station	NRC	Renewal of the Wastewater Discharge Permit	8

DOC #	DATE	LOCATION	AUTHOR OR CUSTODIAN	TO	SUBJECT/ DESCRIPTION	CONTENTION
13	June 2009	Available at http://www.nei.org/filefolder/NEI_Study_Water_June2009_v3.pdf	Nuclear Energy Institute	N/A	Water Use, Electric Power, and Nuclear Energy	16
14	March 2009	Available at http://tceq.state.tx.us/assets/public/permitting/waterquality/forms/10411_10055ins.pdf	Texas Commission on Environmental Quality	N/A	Completing the Industrial Wastewater Permit Application	8, 16
15	1986	Available in Print	Fletcher G. Driscoll	N/A	Groundwater and Wells, Second Edition	16
16	1996	Available at http://www.lib.utexas.edu/geo/maps.html	The University of Texas at Austin, Bureau of Economic Geology	N/A	Physiographic Map of Texas	8, 9, 14, 16
17	1996	Available at http://capp.water.usgs.gov/gwa/ch_e/index.html	Ryder, Paul D., U.S. Geological Survey	N/A	Ground Water Atlas of the United States - Oklahoma, Texas	8, 9, 14, 16
18	2000	Available at http://www.twdb.state.tx.us/mapping/index.asp	Texas Water Development Board	N/A	Major Aquifers of Texas	8, 9, 14, 16
19	1979	Available at http://www.twdb.state.tx.us/publications/reports/GroundWaterReports/GWReports/Individual%20Report%20htm%20files/Report%20236.htm	Texas Department of Water Resources	N/A	Stratigraphic and Hydrogeologic Framework of Part of the Coastal Plain of Texas	8, 9, 14, 16
20	1969	Available at http://www.twdb.state.tx.us/publications/reports/GroundWaterReports/GWReports/Individual%20Report%20htm%20files/Report%2091.htm	Texas Water Development Board, Lower Colorado River Authority, and Matagorda County Commissioners Court	N/A	Ground-Water Resources of Matagorda County, Texas, Texas Water Development Board Report 91	8, 9, 14, 16
21	N/A	Available at http://www.twdb.state.tx.us/publications/reports/GroundWaterReports/GWDatabaseReports/GWdatabaserpt.htm	Texas Water Development Board	N/A	Matagorda County Groundwater Database	8, 9, 14, 16
22	February 2006	Available at http://www.twdb.state.tx.us/publications/reports/GroundWaterReports/GWReports/R365/AGCindex.htm	Texas Water Development Board	N/A	Aquifers of the Gulf Coast of Texas	8, 9, 14, 16
23	October 1977	Available at http://www.nrc.gov/reading-rm/doc-collections/reg-guides/power-reactors/active/	NRC	N/A	Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, RG 1.109, Rev. 1	8, 9

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24	July 1977	Available at http://www.nrc.gov/reading-rm/doc-collections/reg-guides/power-reactors/active/	NRC	N/A	Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routing Releases from Light-Water-Cooled Reactors, RG 1.111, Rev. 1	8, 9
25	10/1/2007	Available at ADAMS Accession No. ML081300728	STPNOC	N/A	Offsite Dose Calculation Manual, Rev. 15	8, 9
26	December 2006	Available at http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0713/v27/	NRC	N/A	Occupational Radiation Exposure at Commercial Nuclear Power Reactors and Other Facilities – 2005, NUREG-0713, Vol. 27	8, 9
27	December 2005	Available at http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0713/v26/	NRC	N/A	Occupational Radiation Exposure at Commercial Nuclear Power Reactors and Other Facilities – 2004, NUREG-0713, Vol. 26	8, 9
28	January 1997	Available at http://www.osti.gov/energycitations/servlets/purl/446391-rCqSr4/webviewable/446391.pdf	NRC	N/A	NUREG/BR-0184, Regulatory Analysis Technical Evaluation Handbook	21
29	1/1/2006	Available at ADAMS Accession No. ML061290127	STPNOC	N/A	Offsite Dose Calculation Manual, Rev. 13	8, 9
30	11/27/2001	Available at http://rpd.oxfordjournals.org/content/98/3/299.full.pdf+html	J.D. Harrison, A. Khursheed, and B.E. Lambert	N/A	Radiation Protection Dosimetry, Vol. 98, No. 3, Uncertainties in Dose Coefficients for Intakes of Tritiated Water and Organically Bound Forms of Tritium by Members of the Public	8, 9, 14

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)	Docket Nos. 52-012-COL
	)	52-013-COL
STP NUCLEAR OPERATING COMPANY	)	
	)	
(South Texas Project Units 3 and 4)	)	April 1, 2010

CERTIFICATE OF SERVICE

I hereby certify that on April 1, 2010 a copy of STP Nuclear Operating Company's "Sixth Update to Disclosures Pursuant to 10 C.F.R. § 2.336" was served by the Electronic Information Exchange on the following recipients:

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